## Index of Claims



Application No.

10/620,102

Examiner

Applicant(s)

DAVIS, MICHAEL E.

Art Unit

Josiah Cocks

3749

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α O Objected

| Cla      | Date     |               |                 |   |          |          |              | Cla      | Ι             |     |              | _        |          |          |  |          |
|----------|----------|---------------|-----------------|---|----------|----------|--------------|----------|---------------|-----|--------------|----------|----------|----------|--|----------|
| Final    | Original | 8<br>31<br>04 |                 |   |          |          |              |          |               |     | Final        | Original |          |          |  |          |
|          | 1        | <b>V</b>      |                 |   |          |          |              |          |               |     |              | 51       |          |          |  | L        |
|          | 2        |               |                 |   |          |          |              |          |               |     |              | 52       |          |          |  |          |
|          | 3        |               |                 |   |          |          |              |          |               |     |              | 53       |          |          |  | L        |
|          | 4        |               |                 |   |          |          |              |          |               |     |              | 54       |          |          |  | L        |
|          | 5        |               |                 |   |          |          |              |          |               |     |              | 55       |          |          |  | L        |
|          | 6        |               |                 |   |          |          |              |          |               |     |              | 56       |          |          |  | L        |
|          | 7        |               |                 |   |          |          |              |          |               |     |              | 57       |          |          |  | L        |
|          | 8        |               |                 |   |          |          |              |          |               |     |              | 58       |          |          |  | L        |
|          | 9        | Ш             |                 |   |          | <u> </u> |              |          |               |     |              | 59       |          |          |  | L        |
|          | 10       | Ш             | Ш               |   |          | _        |              |          |               |     |              | 60       |          |          |  | L        |
|          | 11       | 1             |                 |   |          |          |              |          |               | _   |              | 61       |          |          | _  | L        |
|          | 12       | Ш             |                 |   |          |          |              |          |               |     |              | 62       |          |          |  | L        |
|          | 13       | Ш             | Ш               |   |          | _        |              | _        |               | _   |              | 63       |          |          |  | L        |
|          | 14       | Ц             | Ш               |   | <u></u>  |          |              | <u> </u> |               |     |              | 64       |          |          | _  | L        |
|          | 15       | Ш             |                 |   |          |          |              | _        |               |     |              | 65       |          |          | L  | L        |
|          | 16       | Ш             |                 |   |          |          |              |          | $\perp \perp$ |     |              | 66       | Ш        |          |  | L        |
|          | 17       | 1             | Ш               |   | L.       | L        |              |          | Ш.            | _   |              | 67       |          |          | _  | Ļ        |
|          | 18       | Ш             |                 |   |          |          | <u> </u>     |          | $\perp \perp$ |     |              | 68       |          |          | _  | L        |
| L        | 19       | Ш             | Ш               |   |          |          | _            |          |               |     |              | 69       |          |          |  | L        |
|          | 20       | Ш             |                 |   |          |          |              |          |               |     |              | 70       |          |          |  | L        |
|          | 21       | Ш             | Ш               |   |          |          | _            |          |               |     | <u>.</u>     | 71       |          |          | L.   | L        |
|          | 22       | Ш             | Ш               |   |          |          | L            |          |               |     |              | 72       |          | _        | _  | L        |
|          | 23       | Ш             |                 |   |          |          | L            |          |               |     |              | 73       | _        |          | _  | L        |
|          | 24       | Ш             | Ш               |   | <u> </u> |          | ļ            |          | $\sqcup$      |     |              | 74       | _        |          | ļ  | Ļ        |
| <u></u>  | 25       | Ш             |                 |   |          |          |              |          | $\perp$       |     |              | 75       | _        |          |  | 1        |
|          | 26       | Ц             | Ш               |   |          |          |              |          |               |     |              | 76       |          |          | L  | Ļ        |
|          | 27       | Ш             | Ш               |   |          | <u> </u> | <u> </u>     | _        | _             |     |              | 77       |          |          | <u> </u>   | ╀        |
|          | 28       | l             | Ш               |   | _        | _        | <u> </u>     |          | $\sqcup$      | _   | ļ            | 78       | _        |          | <u> </u>   | Ļ        |
| L        | 29       | V             |                 |   | _        |          | <u> </u>     | _        |               |     |              | 79       | ļ        |          | ┡  | Ļ        |
|          | 30       | <u> </u>      | Ш               |   |          | _        | _            |          | $\sqcup$      | _   |              | 80       |          | <u> </u> | <u> </u>   | ╀        |
| <u> </u> | 31       | ļ             | _               |   |          |          |              |          | $\sqcup$      | _   | <u> </u>     | 81       |          |          | ╙  | ╀        |
| <u> </u> | 32       | <u> </u>      |                 |   | _        |          | _            | _        |               | _   |              | 82       |          |          | L_   | Ļ        |
| L        | 33       | _             |                 |   |          | ļ        | ╙            |          | $\perp$       |     |              | 83       |          |          |  | Ļ        |
|          | 34       | <u> </u>      | Ш               | _ | _        | <u> </u> | <u> </u>     |          |               | _   |              | 84       |          |          | ⊢  | Ļ        |
|          | 35       | <b>├</b>      | $\mid - \mid$   |   | <u> </u> | <u> </u> | <u> </u>     | $\vdash$ |               | _   | <u> </u>     | 85       | _        |          | -  | +        |
|          | 36       | <del> </del>  |                 |   |          | <u> </u> | $\vdash$     |          | $\vdash$      | _   |              | 86       | -        |          |  | +        |
| -        | 37       | 1             | $\sqcup$        |   | <u> </u> | _        | ļ            | $\vdash$ | $\vdash$      | -   | <u> </u>     | 87       | $\vdash$ | <u> </u> | $\vdash$   | $\vdash$ |
| <u></u>  | 38       | <u> </u>      | $\vdash \vdash$ |   | <u> </u> | _        | <u> </u>     | $\vdash$ |               | -   | <u> </u>     | 88       | -        | _        | $\vdash$   | +        |
|          | 39       | ├—            | $\vdash$        |   | <u> </u> | -        |              | $\vdash$ | -             |     | ļ            | 89       | H        |          | ⊢  | ╀        |
| <b></b>  | 40       | ₩             |                 |   | <u> </u> | <u> </u> | $\vdash$     | $\vdash$ | -             | -   | <u> </u>     | 90       | $\vdash$ | <u> </u> |  | +        |
| -        | 41       | ├-            | $\vdash$        |   | <b> </b> |          | -            | $\vdash$ | $\vdash$      | - 1 |              | 91       | -        | _        | -  | +        |
| -        | 42       |               | $\vdash$        |   | <u> </u> | -        | ⊢            |          | $\vdash$      | -   | <b> </b>     | 92       | -        | $\vdash$ |  | +        |
| -        | 43       | ⊢             | $\vdash$        |   |          |          | ├-           | $\vdash$ |               | - 5 | <u> </u>     | 93       | $\vdash$ | -        | $\vdash$   | +        |
|          | 44       | ├-            |                 |   | <u> </u> | -        |              |          | $\vdash$      | -   | —            | 94       |          | -        | $\vdash$   | +        |
| -        | 45       | -             | $\vdash$        |   | <u> </u> | <u> </u> | ⊢            |          | -             | -   | -            | 95       |          | _        | -  | +        |
|          | 46       | ┝             | -               |   | -        |          | $\vdash$     | <u> </u> |               | _   |              | 96       |          | <u> </u> | <del> </del>                                     | +        |
| <u> </u> | 47       | -             | $\vdash \vdash$ |   | _        |          | <del> </del> | H        | $\vdash$      | -   | <del> </del> | 97       |          | -        | -  | +        |
|          | 48       | <del> </del>  |                 |   | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$      | -   | <b> </b>     | 98       | $\vdash$ | <u> </u> | <del> </del> —                                   | +        |
| <u> </u> | 49       | +-            |                 |   | $\vdash$ | $\vdash$ |              | $\vdash$ | $\vdash$      | -   |              | 99       |          |          | <del>                                     </del> | +        |
| L        | 50       |               | Ш               |   |          | L_       |              |          | <u>L</u> _L   |     | L            | 100      | L        | L        | L  | 1        |

|     | Cla   | Date                             |          |          |          |              |              |                |          |          |              |
|-----|-------|----------------------------------|----------|----------|----------|--------------|--------------|----------------|----------|----------|--------------|
|     |       |                                  |          |          |          |              |              |                |          |          |              |
|     | ल     | ina                              |          |          |          |              |              |                |          |          |              |
|     | Final | Original                         |          |          |          |              |              |                |          |          |              |
|     | -     | 0.                               |          |          |          |              |              |                |          |          |              |
|     |       | 51                               |          |          |          |              | -            | Н              | -        |          | -            |
|     | _     | 52                               |          | _        |          |              | -            | -              |          |          |              |
|     |       | 51<br>52<br>53                   | -        |          | _        | _            |              | _              | _        |          |              |
|     |       | 54                               |          |          |          |              |              |                |          |          |              |
|     |       | 55                               |          |          |          |              |              |                |          |          |              |
|     |       | 56                               |          | $\vdash$ |          | -            | _            |                |          | _        |              |
|     |       | 57                               |          |          |          |              |              | _              |          |          |              |
|     | _     | 58                               |          |          |          | _            | _            | _              | -        | -        |              |
|     |       | 59                               | -        |          | _        |              |              | -              |          | $\vdash$ |              |
|     |       | 60                               |          |          |          | _            | _            |                |          |          |              |
|     |       | 61                               | -        |          |          | $\vdash$     | _            | -              | _        |          |              |
|     |       | 62                               | -        | _        | _        |              |              | -              | _        |          | -            |
|     |       | 63                               |          |          |          | ⊢            |              | -              | _        | -        |              |
|     |       | 64                               | -        |          | -        | $\vdash$     |              |                | —        | -        | -            |
|     |       | 65                               |          |          | -        | -            | <del> </del> | -              |          | H        | $\vdash$     |
|     |       | 66                               | -        |          | $\vdash$ |              |              | ⊢              |          | H        | $\vdash$     |
| ::. |       |                                  |          |          |          |              | -            | ├              |          |          | -            |
|     |       | 67                               |          |          | -        | -            | -            | <u> </u>       |          | $\vdash$ | $\vdash$     |
|     |       | 68<br>69                         |          |          | -        |              | $\vdash$     | ├              |          |          | ├            |
|     |       | 70                               | -        | -        | _        | _            | -            | <del> </del> - |          | $\vdash$ | <del> </del> |
|     |       | 70<br>71                         |          |          |          | _            | -            |                | _        | _        |              |
|     | · ·   | /1                               | $\vdash$ | _        |          |              | _            | _              |          |          |              |
|     |       | 72<br>73<br>74<br>75<br>76<br>77 | ļ        | _        | _        |              |              |                | _        |          | _            |
|     |       | /3                               | <u> </u> | -        | _        | <u> </u>     | _            |                |          |          | <u> </u>     |
|     |       | 74                               | _        |          | -        | _            |              | _              |          |          | _            |
|     |       | 75                               | _        | -        |          |              |              | _              |          |          |              |
|     |       | /6                               |          |          | <u> </u> | _            |              |                | _        | -        | _            |
|     |       | 77                               |          |          | _        | <u> </u>     | <u> </u>     |                |          | <u> </u> | _            |
|     |       | 78<br>79                         | _        | _        | _        | ļ            |              | _              | _        | <u> </u> |              |
|     | L     | 79                               | ļ        |          |          | <u> </u>     | <u> </u>     | _              |          | <u> </u> | _            |
|     |       | 80                               |          |          |          | <del> </del> | <u> </u>     | <u> </u>       | -        |          | <u> </u>     |
|     |       | 81                               |          |          |          | <u> </u>     | -            | -              | _        | <u> </u> | _            |
|     |       | 82                               |          |          | _        | _            |              |                | _        | ļ        | _            |
|     |       | 83                               |          | _        | ļ        | <u> </u>     | <u> </u>     | _              | _        | <u> </u> | <u> </u>     |
|     |       | 83<br>84<br>85                   |          | L.,      |          | <u> </u>     |              | _              |          |          |              |
|     |       | 85                               |          |          |          | _            |              | _              | _        | -        | <u> </u>     |
| H   |       | 86<br>87                         |          |          |          |              |              | -              |          | <u> </u> | _            |
|     |       | 87                               | H        | _        | _        | <u> </u>     |              |                |          |          | -            |
|     |       | 88                               |          |          | _        | <u> </u>     |              | _              | _        | <u> </u> | <u> </u>     |
|     | ļ     | 89                               |          |          | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>       | _        |          | <u> </u>     |
|     |       | 90                               | _        | _        |          |              | _            | <u> </u>       |          | _        |              |
|     |       | 91                               | L-       |          | _        | ļ            | <u> </u>     | $\vdash$       | _        |          |              |
|     | ļ     | 92                               | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | -            | $\vdash$       | _        |          | <u> </u>     |
|     |       | 93                               |          | _        | _        | <u> </u>     | <u> </u>     | $\vdash$       |          |          | <u> </u>     |
|     |       | 94                               |          | <u> </u> | <u> </u> |              | ├—           | <u> </u>       | _        | _        | -            |
|     | -     | 95                               | ļ        |          |          |              | <b> </b>     | <u> </u>       | _        |          |              |
|     |       | 96                               | L.,      | L        | _        | <u> </u>     |              | <u> </u>       | _        | $\vdash$ | $\vdash$     |
|     |       | 97                               |          | -        | -        | <u> </u>     |              | <u> </u>       | _        |          | <u> </u>     |
|     | ļ     | 98                               |          | _        | <u> </u> |              | ⊢            | <u> </u>       | <u> </u> | <u> </u> | <del> </del> |
|     |       | 99                               |          | L        | _        |              | <u> </u>     |                | ļ        | <u> </u> |              |
| 7.  |       | 100                              |          |          | 1        | l            | l            | 1              | l        |          | l            |

| CI       | Date   |  |  |              |          |          |                   |          |          |                 |
|----------|--|--|--|--------------|----------|----------|-------------------|----------|----------|-----------------|
|          |  |  |  |              |          |          |                   |          |          |                 |
| Final    | Original   |  |  |              |          |          |                   |          |          |                 |
|          | 101  | $\vdash$   |  |              |          |          |                   |          |          | =               |
|          | 101<br>102   |  |  |              |          |          |                   | -        |          |                 |
|          | 103  |  |  |              |          |          |                   |          |          |                 |
|          | 103<br>104<br>105<br>106<br>107  |  |  |              |          |          |                   |          |          |                 |
|          | 105  | Г  |  |              |          |          |                   |          |          |                 |
|          | 106  |  |  |              |          |          |                   |          |          |                 |
|          | 107  |  |  |              |          |          |                   |          |          |                 |
|          | 108<br>109   |  | <u> </u>   |              |          |          |                   |          |          |                 |
|          | 109  |  |  | L            |          |          |                   |          |          | Ш               |
|          | 110  |  |  | _            | _        | _        | _                 |          |          | _               |
|          | 111  | _  | _  | _            |          |          |                   |          | _        | -               |
|          | 112  |  |  | <u> </u>     | -        |          |                   | _        |          | Н               |
|          | 113<br>114<br>115  | _  |  | -            | $\vdash$ | $\vdash$ | $\vdash$          | -        |          | $\vdash$        |
|          | 114  | -  | -  | _            | -        | _        | -                 | -        |          | -               |
|          | 116  | <del> </del>                                     | <del> </del>                                     | -            |          | H        | -                 | $\vdash$ | -        | $\vdash \vdash$ |
| <u> </u> | 116<br>117<br>118<br>119   |  | <del> </del>                                     | $\vdash$     | $\vdash$ |          |                   | $\vdash$ | $\vdash$ | H               |
|          | 118  |  | $\vdash$   | <del> </del> |          |          |                   | -        |          |                 |
|          | 119  |  |  | ┢            | -        | ÷        | _                 | $\vdash$ | $\vdash$ | Н               |
|          | l 120  | _  |  | $\vdash$     |          |          |                   | -        |          |                 |
|          | 121  |  |  |              |          |          |                   |          |          |                 |
|          | 122  |  | Г  |              |          |          |                   |          |          |                 |
|          | 123  | 1  |  |              |          |          |                   |          |          |                 |
|          | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 |  |  |              |          |          |                   |          |          |                 |
|          | 125  |  |  |              |          |          |                   |          |          |                 |
|          | 126  |  |  |              |          | _        | _                 | _        |          |                 |
|          | 127  |  |  | _            |          |          |                   |          | _        |                 |
|          | 128  | _  | ļ  | <u> </u>     | L.       | <u> </u> |                   |          |          |                 |
|          | 129  | <u> </u>   | <u> </u>   | _            | _        |          | <u> </u>          | <u> </u> | <u> </u> |                 |
|          | 130  |  | <u> </u>   | -            | <u> </u> | <u> </u> |                   | <u> </u> | -        | Н               |
|          | 131  | $\vdash$   | $\vdash$   | _            |          | ├        | ┝                 | <u> </u> | -        | -               |
|          | 132  |  | ├─   |              |          | ├-       |                   | -        | <u> </u> | $\vdash$        |
|          | 134  | $\vdash$   |  | -            |          | $\vdash$ | $\vdash$          | $\vdash$ | -        |                 |
|          | 134<br>135   | -  | ╁  | $\vdash$     | $\vdash$ | $\vdash$ |                   | -        | $\vdash$ | $\vdash$        |
|          | 136  | $\vdash$   | <del> </del>                                     | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$          | -        | -        |                 |
|          | 136<br>137   | <del>                                     </del> | <del>                                     </del> |              |          | $\vdash$ | $\vdash$          |          |          |                 |
|          | 138  | $\vdash$   | <del>                                     </del> | _            |          | Г        | Г                 |          | Г        |                 |
|          | 139  | Г  | Г  |              | <u> </u> | ļ        |                   |          | Г        |                 |
|          | 140  |  |  |              |          |          |                   |          |          |                 |
|          | 141  |  |  |              |          |          |                   |          |          |                 |
|          | 142  |  |  |              |          |          |                   |          |          |                 |
|          | 143  | <u> </u>   | <u> </u>   | _            | <u> </u> | _        | $ldsymbol{f eta}$ | <u> </u> |          | <u> </u>        |
|          | 144  | <u> </u>   | <u> </u>   | _            | L        | ļ        | _                 |          |          |                 |
|          | 145  | <u> </u>   | <u> </u>   | L_           | <u> </u> | _        | _                 | <u> </u> | <u> </u> |                 |
|          | 146  | <del> </del> —                                   | <u> </u>   | <u> </u>     | <u> </u> | <u> </u> | <u> </u>          | <u> </u> | -        | <u> </u>        |
|          | 147  |  | $\vdash$   | _            | <u> </u> | <u> </u> | _                 | -        | _        | $\vdash$        |
|          | 148  | $\vdash$   | $\vdash$   | -            |          | <u> </u> | <del> </del>      | -        |          | $\vdash$        |
|          | 149<br>150   | -  | ├  |              | -        | -        | $\vdash$          | -        | -        | $\vdash$        |
|          | LIOU   | L  | I  |              | L        | L        | L                 | I        | <u> </u> |                 |